(1943) Department.

MS SERIES.

G.O. No. 2335

Dated 2 - 11 - 43

Close
to portfolio
in notebook

[Despatch Abstract.]

Irrigation. General - "Grow More Food" Campaign - Coimbatore Dt. Kollegal taluk - Uduthorahalla Project - Revised Estimate for Rs 2,11,100 - Approved.

G.M. 21.

Department Received Registered

From (Name) Sri Rao Bahadur
N. Govindaraja Ayyangar B.A.,B.E.
Designation
Chief Engineer for Irrigation.
Station Chepauk. Madras.

To

The Secretary to Government,
Public Works Department.

Enclosures:

No. 2963/43-M-3 dated 20th September 194

Sir,

Sub:-Uduthorahalla project - Kollegal taluk - Coimbatore District - Anicut scheme - Estimate for Rs. 1,90,000/- - Submission of

In G.O. No.Ms. 1235 dated 1-7-1943, Government sanctioned under the 'Grow More Food' Campaign, the execution of the Uduthorahalla scheme (constructing an anicut across the Uduthorahalla at a cost of Rs. 90,000/- based on the report on the scheme submitted with my No.172/43-M-44, dated 5-5-1943. The cost of the scheme was estimated at Rs. 60,000/- in 1941 on a rough basis without detailed investigation and was made up as follows:-

	Rs.
Anicut and head sluice	12,000
Channel System.	37,500
Miscellaneous	10,000
	59,500/- or say Rs. 60,000/-

In the note submitted with my letter No.172/43-M-44, dated 5-5-43 a lump sum 50 per cent increase was allowed on the above for any possible increase in cost since 1941 and the cost of the scheme was reported at Rs. 90,000/-.

2. The scheme has now been investigated in detail and the estimate is now revised based on more correct data. It is found that the provision made in the preliminary estimate for the various items of works are inadequate both in regard to quantity and cost. This is inevitable as the costliest item for example the channel systems was estimated for only on the basis of average of the ayacut and not after detailed investigation of the individual requirements of the scheme. Also, the 50 per cent extra allowed by me while submitting the note in this office No.172/43-M-44, dated 5-5-43 is since found to be inadequate. The locality is far in the interior, famine and plague affected and the Superintending Engineer reports that skilled labour has to be imported. Hence, an allowance of 50 per cent over the 1941-42 schedule of rates now made in the estimate is considered essential. I submit herewith a revised estimate for the scheme amounting to Rs. 1,81,500/- for works of Rs. 1,90,000/- including direct and indirect charges for favour of obtaining the sanction of Government.

3. The net revenue anticipated is Rs.3,340/- vide details in the margin *. This will give a return of about 2.2 % on the works outlay and 1.66 % on the total outlay. Treating this as a protective scheme a return of 2.2% on works against 3.5% fixed in G.O. No.10 dated 25-3-38 for Kollegal taluk, which is a 'C' class tract is decent enough for a Grow More Food scheme. I therefore

		Rs.
Gross revenue on 600 acres at Rs.8-3-0 per acre.		5,200
Annual maintenance charges.	600	
Collection charges at 5%	260	
Loss in revenue from 600 acres of dry at Re.1/-per acre.	600	
	1,460	1,860
Net Revenue.		3,340

recommend the execution of the work inspite of the poor return. The Collector while commenting in his letter No.R.Dis.7555/41 dated 17-2-42 on the preliminary estimate for Rs. 60,000/- has stated that the area is backward and the scheme is worth taking up from the administrative point of view.

4. I am asking the Superintending Engineer to start the execution of work in anticipation of sanction of Government since special staff has already been posted. My action may please be approved on the phone

5. The estimate is chargeable to '19' Irrigation - Construction - Unproductive for which Capital and Reve ue accounts are kept.

Report to accompany the Estimate for constructing an anicut across the Uduthorahalla stream in Kollegal Taluk.

Estimate Rs.1,90,000/-

The Uduthorahalla river is a jungle stream. It rises in the hills of the Gobichettipalayam taluk, flows in a north-easterly direction, and after nearly half its course through high and wooded hills enters the plains of Kollegal Taluk. It finally flows into the Cauvery after a course of about forty miles. This basin is under the influence of both the monsoons but does not get the full benefit of either. During the monsoon, between June and January of the following year, the river is subject to fairly frequent floods.

2. Proposals for the construction of an anicut or a Reservoir across the Uduthorahalla river have been under consideration for sometime past. After consideration of the results of the preliminary investigation and after observation of the flow in the stream, the Chief Engineer for Irrigation approved of the anicut scheme as worth proceeding and ordered detailed investigation therefor in his No.5176/39 B.E.P. dated 26-5-41. The reservoir scheme was to be taken up for consideration after few years working of the anicut scheme.

3. The scheme consists of the construction of a masonry anicut across the stream and the excavation of two channels taking off from the above anicut, one on each side of the river. These are contour channels, each to irrigate about 400 acres. The supply into the channels will be controlled by the construction of a head sluices and the cross drainages intercepting the channels will be disposed of by the construction of suitable cross-drainage works.

4. Anicut.

(1) The anicut is proposed to be located in the middl of S.No.100 of Gangandoddi village in a line with S.No.102 on the right of the river and S.Nos. 270 and 470 on the left of the river. This site is chosen on account of the bed of the river at this place being rocky with high margins for suitable earth connections at either banks.

(2) The anicut will be built of coursed rubble facing first class with interior filled with rubble masonry. All will be in surki mortar. The coping will be of heavy-dressed cut stones stream-lined and slightly sloped up towards the downstream side. The section of the anicut will be trapezoidal. The anicut will be founded on hard rock properly benched and keyed. As the drop in rear is on sheet rock, there will be no apron.

The following are some of the particulars of the anicut:-

Length of anicut	150 feet.
Width of body wall at crest.	7'-6"
Crest of anicut	81.00
M.F.L. in front of anicut	92.00 (for a value of C of 1000)
Top of wing walls	89.00
Top of flood banks	91.00

As the M.F.L. of 92-00 will be of very rare occurrence and will be of short duration only, the top of wing walls and flood banks will be kept at 89.00 and 91.00 respectively.

5. Head Sluices.

These will be located in continuation of the anicut, one on each bank for the right and left bank channels that will take off from above the anicut. The head sluic be provided with regulating arrangements, the shutter

Report to accompany the Estimate for constructing an
aniout across the Quantonbaila stream in Kollegal Taluk.

Estimate Rs.1,40,000/-

The Quantonbaila river is a jungle stream. It rises in the hills of the Gobichettipalyam taluk, flows in a north-easterly direction, and after nearly half its course through high and wooded hills enters the plains of Kollegal Taluk. It finally flows into the Cauvery after a course of about forty miles. This basin is under the influence of both the monsoons but does not get the full benefit of either. During the monsoon, between June and January of the following year, the river is subject to fairly frequent floods.

2. Proposals for the construction of an aniout or a Reservoir across the Quantonbaila river have been under consideration for sometime past. After consideration of the results of the preliminary investigation and after observation of the flow in the stream, the Chief Engineer for Irrigation approved of the aniout scheme as worth proceeding and directed detailed investigation therefor in his No.3147/29 E.P. dated 20-3-41. The reservoir scheme was to be taken up for consideration after few years working of the ~~xxx~~ aniout schemes.

3. The scheme consists of the construction of a masonry aniout across the stream and the excavation of two ~~x~~ channels taking off from the above aniout, one on ~~xxxx~~ each side of the river. These are contour channels,~~xx~~ each to irrigate about 400 acres. The supply into the channels will be controlled by the construction of a head sluices and the cross drainages interfering the channels will be disposed of by the construction of suitable cross-drainage works.

4. Aniout.

(1) The aniout is proposed to be located in the middle of S.No.100 of Gangamoodi village in a line with S.Nos.106 on the right of the river and S.Nos. 210 and 210 on the left of the river. This site is chosen on account of the bed of the river at this ~~xxx~~ place being rocky with high margins for suitable earth connections at either banks.

(2) The aniout will be built of coursed rubble facing first class with interior filled with rubble masonry. All will be in surki mortar. The ~~xxx~~ coping will be of heavy-dressed cut stones steeve-lined and slightly sloped to towards the downstream side. The section of the aniout will be trapezoidal. The aniout will be located on hard rock properly cleaned and keyed. Va the drop in case is on sheet rock, there will be no apron.

The following are some of the particulars of the aniout:-

Length of aniout	700 feet.
Width of body wall at crest.	4'-0"
Crest of aniout	91.00
M.F.L. in front of aniout 92.00 (for a value of C of 1000)	
Top of side walls	94.00 As the AM.F.L. or
Top of flood bunks	91.00) 92-00 with for very

~~xxx~~ ~~xxxx

in two tiers. The following are some of the particulars of head sluices:-

Sill of sluices	76.00
Vent	One vent 5' x 5'-6"
Platform level	89.00
Ayacut under each sluice	About 400 acres.

The afflux assumed in front of head sluice is ~~one~~ $1\frac{3}{4}$ feet i.e., for a front level of 80.00. The anicut crest is however kept one foot higher at 81.00 to meet future requirements and to conserve a little storage to be of use at times of need.

6. The anicut will be tied to high ground at either banks by means of flood banks to be formed. These will be 10' wide at top and 4' above ordinary M.F.L. i.e., at 91.00 .

7. Scouring sluices in the anicut are not proposed for the present as their efficiency in clearing silt when the head-works are situated in such up-country localities, is almost negligible.

8. Channels.- ~~The~~ Two channels take off, one on each bank. These are contour channels traversing the side-long ground all along their course with their ayacut on the river side. The ayacut proposed under each is about 400 acres. The channels have been designed for a duty of 25 to discharge 16 cusecs at F.S.L. There will be only a single bank on the slope side. This will have 6'-0" top width and side slopes 1-1/2 to 1 and its top will be kept at 2' above M.F.L.

Running on a side-long country, the channels intercept cross drainages. Their catchments in almost all cases except one, are less than one square mile. The catchment being hilly the run-off in these cross drainages is expected to be comparatively high and instantaneous, carrying down with it a lot of silt. It is therefore proposed to dispose of the flow in the cross drainage without mixing with the channel so that the channel may not be silted up and its regime may not be affected. In all cases the channel has been syphoned under the drains except in a few cases where the channel has been taken by aqueducts. The spills into the channel, not intercepted by the drainage courses, are proposed to be let out through outlets which are so located so as to limit the flow through the syphons to F.S.L. discharge. Irrigation sluices will be by means of Hume pipes which will be fixed tentatively in earth and at bed level of channel in suitable places. Masonry pipe sluices will be built at a later some time under a separate estimate. The channels will terminate in tail dams which will be of earth with pipes inserted in them.

Left side channel.

This channel takes off above the anicut on the left through a head sluice with a vent 5' x $5\frac{1}{2}$' and controlled by paddle shutters in two tiers. It is 15040 feet long and tails at present in S. 112 of Suleripalayam village. For the first 1900' the channel runs in rather deep cutting involving cutting down through rocks. This cannot be avoided. From this point irrigation commences. The channel is divided into three reaches. The hydraulic particulars of the different reaches will be as follows:-

	Reach I. Head to L.S.7010.	Reach II. 7010 to 11405	Reach III. 11405 to en
Bed width.	4'-0"	3'-0"	3'-0"
Side slopes	1/2 to 1'	1/2 to 1	1/2 to 1
Depth at F.S.L.	2.25	2.25	1.75'
Bed slope	1 in 2000	1 in 2000	1 in ~
Velocity =	1.46' per second.	1.36' per sec.	1.0
Discharge.	16 cusecs.	10.4 cusecs,	6
Ayacut	400 acres.	260 acres.	150

Discharge.	40 cusecs.	250 acres.	100 acres.
Gradient.	1 in 5000	1 in 5000	1 in 500
Velocity =	1.46 per second.	1.00 per sec.	1.0
Bed slope	2.5%	2.5%	1.0
Depth at F.S.L.	4'-0"	3'-0"	2'-0"
Side slope	1½ to 1	1½ to 1	1½ to 1
Bed width.			

Head to F.S.Y.D. Y.D.O. to D.W.O. D.W.O. to end

Reach I. Reach II. Reach III.

Alternative reaches will be as follows:-

Into three reaches. The hydraulic particulars of the
this point discharge commences. The channel is carried
on cutting down under Culvert No 5. This cannot be avoided.
Flow
line 7.00' the channel runs in natural deep cutting previous
ratio at pressure in S. Ire of Shallybaw Village. For the
passing another in two tiers. It is 10.0 feet long and
through a base sluice with a vent 3' x 3" and controlled by

Left side channel.

This channel takes off above the sluice on the left
which will be of cast with brass inserted in them.
subsequent excavation. The channels will be of concrete
Masonry pipe sluices will be built at a some time under a
in cut and at one level of channel in suitable places.
will be of means of three brass mutes will be fixed centrally
through the syphons to F.S.I. discharge. Irrigation sluices
through orifices which are so located so as to limit the flow
interference of the drainage channels are proposed to be let out
taken by adjacent. The split into the channel, not
the drains except in a few cases where the channel has been
silected. In all cases the channel has been syphoned under
the channel may not be silted up and its carrying may not be
in the cross drainage without mixing with the channel so that
for of silt. It is therefore proposed to dispose of the flow
comparatively high and instantaneous, carrying down with it a
the run-off in these cross drainages is expected to be
one, are less than one square mile. The catchment being mostly
cross drainages. Their catchments in Kilmoar all cases except

Running on a side-long country, the channels intersect

I-1/2 to 1 and its top will be kept at 2' above M.F.L.
slope side. This will have 0'-0" top width and side slopes
to cusecs at F.S.L. There will be only a single bank on the
The channels have been designed for a duty of 60 to discharge
side. The amount proposed under each is about 400 acres.
running all along their course with their amount on the final
bank. These are contour channels cleaveraging the side-long

6. Channels.- Two channels take off, one on each

navigable.
7. Scouring sluices in the amount are not proposed for
the present as their efficiency in clearing silt when the navi-
works are situate in such un-commonly location, is almost

mine at top and 4' above ordinary M.T.L. i.e., at 21.00 .
banks by means of flood banks to be formed. These will be to
6. The amount will be tied to high ground at either

to conserve little storage to be of use at times of need.
keep one foot higher at 21.00 to meet fluctuations and
i.e., for a front level of 20.00. The sunset crest is however

The silting assumed in front of head sluice is one half

sluice

Adjoint under each	About 400 acres.
Platform level	23.00
Vent	One vent 3' x 3'-0"
Sill of sluices	19.00

head sluices:-
in two reels. The following are points of particulars of

The ayacut under this channel lies mostly in Suleripalayam village and also a small extent in Ajjipuram village. The S.Nos. of these lands are listed separately. The several cross drainage disposal and other masonry works are given below

L.S. 1870	Outlet	L.S. 9300	Outlet
L.S. 1930	Syphon and drain and cart track	L.S. 9577	Aqueduct.
L.S. 3000	Outlet.	L.S. 11400	Outlet.
L.S. 4645	Outlet	L.S. 11465	Syphon and drain and cart track above.
L.S. 4905	Syphon and drain and cart track above.		
L.S. 7010	Aqueduct	L.S. 13270	Outlet
L.S. 6415	Syphon and drain above	L.S. 13350	Syphon and drain and cart track above.
		L.S. 15040	Tail Dam.

Irrigation will be carried on through pipe sluices which will be fixed tentatively at suitable places and at bed levels of the channel to command blocks not less than about 40 acres.

Right side channel.

This channel takes off above the anicut on the right of the river through a head sluice vent 5' x 3½' controlled by paddle shutters as in the case of left side channel. It is 13600 feet long. It terminates at S.No.62 of Suleripalayam village. For the first 1700 feet the channel has to be taken in fairly deep cutting involving cutting through rock also. This cannot be avoided. From this point irrigation under the channel commences.

This channel is also divided into three reaches and their hydraulic particulars are furnished below:-

	Reach I head to L.S.7375.	Reach II L.S. 7375 to 9000	Reach III. L.S.9000 to end.
Bed width.	4'-0"	4'-0"	3'-0"
Side slopes	1/2 to 1	1/2 to 1	1/2 to 1
Depth at F.S.L.	2.25'	2'-0"	1.6'
Bed fall	1 in 2000	1 in 2000	1 in 2000
Velocity	1.40'	1.39' per sec.	1.15'
Discharge	16 cusecs.	11.6 cusecs.	7.6 cusecs.
Ayacut	400 acres.	290 acres	190 acres.

The ayacut under this channel lies in Gangandoddi and Suleripalayam villages. A provisional list of S.Nos. to be irrigated is attached separately. The several cross drainage disposal and other masonry works that are proposed in the estimate are furnished below:-

L.S. 604	Syphon and drain above.	L.S. 9000	Syphon, drain and cart track above.
L.S.1650	Outlet.	L.S. 9620	Outlet.
L.S.1700	8 Culvert, drain and cart track.	L.S. 9747	Aqueduct.
		L.S.11070	Outlet.
L.S.5026	Aqueduct.	L.S.11150	Syphon and drain and cart track above.
L.S.7265	Outlet.		
L.S.7375	Syphon, drain and cart track above.	L.S.13600	Tail Dam.

Irrigation will be carried through pipe sluices which will be fixed tentatively at suitable places and at the bed level of the channel to command blocks not less than about 40 acres.

9. Land acquisition.- The channels will run through private lands; The extent of land required for these lands will have to be acquired. The lands to be acquired lie in Suleripalayam and Gangandoddi villages of Kollegal Ta.

Suiarpbaiayam and Gangandoddi villages of Kollegal Taluk will have to be acquired. The lands to be acquired lie in private lands; The extent of land required for these lands

3. Land acquisition.- The channels will run through the channel to command block not less than about 40 acres. fixed tentatively at suitable places and at the bed level of Irrigation will be carried through pipe sluices which will be

L.S. 904	Syphon and drain above.	L.S. 9000	Syphon,drain and cart track above.
L.S.1620	Outlet.	L.S. 9050	Outlet.
L.S.1700	8 Culvert,drain and cart track.	L.S. 9414	Vaqueduct.
L.S.2020	Vaqueduct.	L.S.11040	Outlet.
L.S.2520	Outlet.	L.S.11130	Syphon and drain and cart track above.
L.S.2715	Syphon,drain and cart track above.	L.S.12000	Tail Dam.

The channel is also divided into three reaches and their dynamic particulars are furnished below:-

	Reach I	Reach II	Reach III.
	head to L.S.2715.	L.S. 2715 to 9000 L.S.9000 to end.	
Area	400 acres.	290 acres	190 acres.
Discharge	To cusecs.	11.6 cusecs.	6.0 cusecs.
Velocity	1.4o'	1.3o' per sec.	1.1o'
Bed fall	1 in 2000	1 in 2000	1 in 2000
Depth at T.S.L.	3.3Sp'	3'-0"	1.9'
Side slopes	1\2 to 1	1\2 to 1	1\2 to 1
Bed width.	4'-0"	4'-0"	3'-0"

This channel takes off above the anicut on the right of the river through a head sluice vent 3' x 3½' controlled by double shutters as in the case of Suiarpbaiayam ~~xxx~~ 12900 feet long. It terminates at 3.30S of Suiarpbaiayam ~~xxx~~ in ~~xxixxxxxxx~~ fairly deep cutting involving cutting through village. For the first 1100 feet the channel has to be taken under the channel commences.

This channel is also divided into three reaches and their dynamic particulars are furnished below:-

	Reach I	Reach II	Reach III.
	head to L.S.1715.	L.S. 1715 to 9000 L.S.9000to end.	
Area	400 acres.	290 acres	190 acres.
Discharge	To cusecs.	11.6 cusecs.	6.0 cusecs.
Velocity	1.4o'	1.3o' per sec.	1.1o'
Bed fall	1 in 2000	1 in 2000	1 in 2000
Depth at T.S.L.	3.3Sp'	3'-0"	1.9'
Side slopes	1\2 to 1	1\2 to 1	1\2 to 1
Bed width.	4'-0"	4'-0"	3'-0"

The ayacut under this channel lies in Gangandoddi and Suiarpbaiayam villages. A provisional list of S.Nos. to be irrigated is attached separately. The several cross drainage disposal and other masonry works that are proposed in the estimate are tabulated below:-

L.S. 904	Syphon and drain above.	L.S. 9000	Syphon,drain and cart track above.
L.S.1620	Outlet.	L.S. 9050	Outlet.
L.S.1700	8 Culvert,drain and cart track.	L.S. 9414	Vaqueduct.
L.S.2020	Vaqueduct.	L.S.11040	Outlet.
L.S.2520	Outlet.	L.S.11130	Syphon and drain and cart track above.
L.S.2715	Syphon,drain and cart track above.	L.S.12000	Tail Dam.

The syphon under this channel lies mostly in Suiarpbaiayam village and also a small extent in Ajjipuram village. The S.Nos. of these lands are listed separately. This several cross drainage disposal and other masonry works are given below:-

L.S. 1040	Outlet	L.S. 9000	Outlet
L.S. 1900	Syphon and drain and cart track	L.S. 9044	Vaqueduct.
L.S. 2000	Outlet.	L.S. 11400	Outlet.
L.S. 4045	Outlet	L.S. 11400	Syphon and drain and cart track above.
L.S. 4905	Syphon and drain and cart track above.		
L.S. 7010	Vaqueduct	L.S. 12510	Outlet
L.S. 8410	Syphon and drain and cart track above.	L.S. 12000	Syphon and drain and cart track above.
		L.S. 12060	Tail Dam.

The area to be required is fixed on the following basis and the width of acquisition required is marked on the cross section plans.

i) 15' feet free space allowed beyond the outer toe of the bank on the slope side

ii) Ground required for borrow pits wherever required

iii) On the upland side, 12 feet widmth from the cutting edge of channel.

The land calculated on the above basis has been provided for acquisition on the estimates. Provision is also made in the estimates for the acquisition of lands required for the field bothies. In order to encourage and develop irrigation quicker, it is considered better to acquire the lands for field bounies leaving the excavation of the field bothies by the ryots.

10. General.-
The project area lies in the interior of Kollegal Taluk. It is about 25 miles from Kollegal, mainly by metalled road and for a short length by cart track. The tract is classed as unhealthy and is frequented by plague occasionally. The area is sparsely populated. Labour for the scheme work will have to be imported and provided with quarters. Quarters for the executive staff and rest house for inspecting officers will have to be built at Ajjipuram, the nearest village from the anicut site. All preliminaries to attract labour will have to be provided for. For speedy execution of work under conditions stated above, the rates provided in the schedule of rates are not workable, and a percentage of 80% increase over the schedule of 1941-42 is allowed in the estimate tentatively.

11. Establishment. A special Subdivision will be required for the execution of the work. It will consit of one Sub Divisional Officer, three supervisors (one for anicut, one for each of the channels)two clerks for the Subdivision and six peons. One clerk and one draftsman will be required for the Division Office. The headquarters of the subdivision will have to be as near the anicut site as possible and can be at Ajjipuram.

12. Financial aspects - The estimate made out on the lines detailed above amounts to Rs.1,90,000/-. Area to be irrigated is 800 acres.

Land revenue on 800 acres at 6-8-0 per acre.		Rs.5,200/-
DEDUCT:- Maintenance charges at 0-12-0 per acre i.e., 800 x 0-12-0	or Rs. 600	
Collection charges at 5%	260	
Abatement of land revenue on 800 acres say at Re.1/- per acre.average.	800	
Total.	1,660.	1,660
Net Revenue.		Rs.3,540/-

The return works out to only 1.86% on the total outlay and 2.2% on works outlay. The scheme is not remunerative. The Collector has given his considered opinion. He has said in his letter No.7565 dated 17-2-42 that the ryots welcome the proposal and that the scheme is administratively beneficial, ringing long-wanted relief and contentment to atleast a small art of the Taluk, where famine is likely. The remunerative ide of the scheme is not to be taken into consideration at resent in view of the revised policy of the Government in connection with the "GROW MORE FOOD CAMPAIGN'. The scheme is put up for favourable consideration.

for Chief Engineer for I

KK. 29/9.

20.9.43

put up for favourable consideration.

presume in view of the revised policy of the Government in connection with the "GROW MORE FOOD CAMPAIGN". The scheme is part of the Taluk, where famine is likely. The Remunerative scheme of the Taluk, where famine is likely. The Remunerative scheme is not to be taken into consideration at present and that the scheme is administratively beneficial, proposal and that the scheme is administratively beneficial, bringing long-waited relief and contentment to millions a small bis letter No.7009 dated 17-8-42 that the Ryots welcome the Collector has given his considered opinion. He has said in s.2% on works only. The scheme is not remunerative. The The return will work out to only 1.00% on the total outlay and

Net Revenue.		Rs.C,040\-
Total.	I,000.	I,000
Add at Re.1\- per acre.average.	000	
Abatement of land revenue @ 000 acres		
Collection charges at 0%	000	
acre i.e., 000 x 0-12-0	or Rs. 000	
DEDUCT:- Maintenance charges at 0-12-0 per		
Land revenue on 800 acres at 0-0-0 per acre.		Rs.3,800\-
Irrigated is 000 acres.		

Rs.1,20,000\-. Area to be 13. Financial aspects - The estimate made out on the lines detailed above amounts to

111 ryots.

to be as near the anicut site as possible and can be at Division Office. The headquarters of the Subdivision will have peons. One clerk and one draftsman will be required for the for each of the channels)two clerks for the Subdivision and six Sub Divisional Officer, three supervisors (one for anicut, one required for the execution of the work. It will consist of one

12. Establishment. A special Subdivision will be the schedule of 1941-42 is allowed in the estimate tentatively. rates are not workable, and a percentage of 00% increase over tions stated above, the rates provided in the ~~xxxxxxxxxxxx~~ of to be provided for. For speedy execution of work under consi- the anicut site. All preliminaries to attract labour will have will have to be built at Vijipuram, the nearest village from for the executive staff and rest house for inspecting officers The area is sparsely populated. Labour for the schemes work classed as unsanitary and is frequented by plague occasionally. road and for a short length of cart track. The tract is Taluk. It is about 20 miles from Kollegal, mainly by metalled

10. General.-
The project area lies in the interior of Kollegal

ponds leaving the excavation of the field portions by the ryots.

quicker, it is considered better to acquire the lands for field portions. In order to encourage and develop irrigation in the estimates for the acquisition of lands required for the ed for acquisition on the estimates. Provision is also made

The land calculated on the above basis has been provid

edge of channel.

iii) On the upland side, 12 feet wicath from the cutting

ii) Ground required for borrow pits wherever required

of the bank on the slope side

i) 12' feet free space allowed beyond the outer toe

plans.

width of acquisition required is marked on the cross section

The area ~~as~~ required is fixed on the following basis and the

ESTIMATE FORM—Abstract.

Item number. (1)	Quantity. (2)	Description of work. (3)	Rate. (4)	Per (5)	Amount. (6)	Total. (7)
		UDUTHORAHALLA PROJECT-GENERAL ABSTRACT.	RS.		RS.	RS.
1.		Constructing an anicut and headsluice (separate detailed estimate).			21,000	
2.		Excavation of right side channel (separate detailed estimate).			11,000	
3.		Excavation of left side channel as per separate detailed estimate.			15,000	
4.		Constructing masonry works in the right side channel (separate detailed estimate).			11,560	
5.		Constructing masonry works in the left side channel (separate detailed estimate).			13,160	
6.		Acquisition of land for the headworks, channel, field channels etc. as per separate detailed estimate.			4,300	
7.		Constructing temporary irrigation pipe sluices in right and left side channels as per separate detailed estimate.			3,000	
8.	L.S.	Constructing an inspection shed at Ajjipuram.			1,500	53,720
9.	"	Erecting temporary sheds and quarters for staff and workmen to be imported			6,270	
10.	"	Tools and plant.			3,000	
	"	~~Abatement of land revenue~~	~~L.S.~~		~~1,100~~	
		Unforeseen items.	L.S.		6,700 ~~5,600~~	
		80% increase on items 1 to 5 above. (to meet the increased cost of materials and labour due to war conditions).			57,380	
	"	Petty supervision and contingencies at about 5%			7,630	
					161,500	
	"	Special establishment etc. at about 17½% on works outlay (28,262 or 28500)			28,500	
			Total		190,000	

4/9/43

For CHIEF ENGINEER FOR IRRIGATION.

29/9/43

Grand total of estimate ..

STATION _____

Date _____ 194

Executive Engineer.

CIRCLE— Coimbatore.

DIVISION— Salem

DISTRICT— Coimbat(

TALUKS (OR ESTATE IN CASE OF ESTATE WORKS).

Kollegal.

ESTIMATE FORM—Abstract.

Section—

Major head—

Minor head—

Detailed or service head—

Departmental head—

Project of which the work forms part—

Name of work— Uduthorahalla Pr(anicut scheme.

Amount of estimate, Rs. 1,90,000/-

To be carried out by— P.W.D.

REFERENCES.

Irrigation - General - "Grow more food" campaign - Coimbatore dt - Kollegal taluk - Uduthorahalla project - Revised estimate for Rs 1,90,000 - 2.11.1 Approved.

Go No. 1235 P.W. dt 1-7-43.

From the C. E (I) No. 2963/43-II-3 dt 28.9.

Order 2335 dt. 2-11-43
MS

The Govt approve the revised estimate for Rs 1,61,500 (One lakh sixty thousand five hundred) for works at Rs 1,90,000 (One ~~lakh ninety thousand only~~) including direct and indirect charg

for the reduthirahalli scheme (Constructing an anicut across the reduthirahalla) in Kollegal taluk Coimbatore dist. The ~~project~~ estimate is chargeable to "19 - Constructing Irrigation, navigation etc works - Irrigation works - Finance from ordinary revenues - Unproductive" The Executive Engineer (I) is having ~~instructions~~ the S.E to start the executing work with a view of the Govt. sanction to the revised estimate as approved

IPC 301(01)

To the C.E (I) ✓
" " BS for ✓
" " Addl Secy to Govt
" " A/c O.D.B. ✓
2 copies for sanction

Office of the Chief Engineer for Irrigation, Madras.
Proceedings No.2903/43-1 dated the 24th December 1943.

Sub:- Irrigation - General - New Bore Head Channel in Coimbatore District - Puthorhalla Channel - Technical Sanction- accorded

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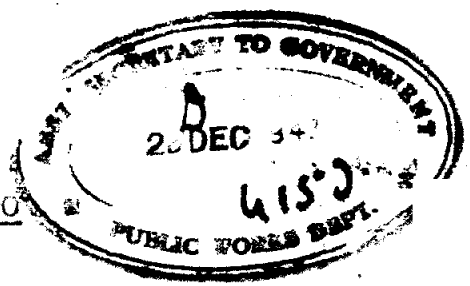
Read the following: G.O.No.2335 P.W.D. dated 2--11--1943

The estimate amounting to Rs1,31,500 for 'Works only' for constructing an anicut across the Puthorhalla approved in G.O.No.2335 P.W.D. dated 2--11--43 is hereby technically sanctioned for Rs1,31,500 (Rupees One lakh, Sixty one thousand and Five hundred only) and is registered as C.E.I. No.7 of 1943-44. The amount of the estimate including direct and indirect charges will be Rs2,11,100 and not Rs1,30,000.

Works cost outlay	Rs1,31,500	
Establishment at 3%	3,975	
Tools and Plant	3,950	
Audit and Account	1,315	
Work Contingency		
Charges at 3.5	3,810	
Establishment Allowance		
Overhead charges	1,100	
Total.	Rs2,11,139	or Rs2,11,100



(K.P.Govindaraja Ayyangar)
Chief Engineer for Irrigation.

To the Secretary to Government, Madras.

Endorsement No.2903/43-I.-10 dated 24th December 1943

Copy submitted to Government for information with reference to

G.O.No.2335 P.W.D. dated 2-11-1943 and for favour of issue an erratum to the G.O. It is regretted that the indirect charges were calculated wrongly in the first instance.

for CHIEF ENGINEER FOR IRRIGATION

To the Secretary to Government, Public Works Department

Pk/24-12.

ASST. SECRETARY 1-JAN. 194 FINANCE DEPA...

P.W.D

A draft memo is submitted. It may be sent to Fin for acceptance before

Fin (Exp B)

the draft memo below may be accepted. [This is one of the schemes for which a contribution has been claimed from the Govt of India]

P.W.D

Memo No. 4153 D/43-2 dt 5. 1. 44.

Irrigation - General. Grow More Food" Campaign - Coimbatore dt. Kollegal taluk - Uddithorahalla project. Revised estimate - G.O No. 2335 PW. dt 2 11. 43 - Errata.

From the C. E (I) No. 2963/43-A-10 dt 24-12-43.

For the figure and words "Rs 1,90,00 occurring in G.O No. 2335 PW. dt 2.11. (Rupees ninety thousand only)" substitute figure and words "Rs 2,11,100 (Two lakhs eleven thousand one hundred)"

C. E (I)
Bdg Rec
H.Q. Thro the Fin
1+9 D.B
in triplicate.

IPIS 31/12-43
10.1.44

PAPER PLACED ON THE TABLE.

[Vide answer to clause (*b*) of Legislative Council Question No. 109.]

List I.—List of drains in Godavari Western Delta to be repaired.

Serial number.	Position of head. General mileage.	Length of main drain.	Names of drains.	Infall of branches.	Names of branch drains.	Sides.	Length of branch drains.	Estimate for bringing the drain to efficient condition but not worked out.	Estimate still to be prepared with approximate value of repairs.	Remarks.
(1)	(2)	(3)		(5)	(6)	(7)	(8)	(9)	(10)	(11)
								RS.	RS.	
1	14—65	27—50	Nakkala	25—16	Vallur	L	8—02	3,000	..	
2	27—00	16—31	Kazha	9—42	Palacole Ava drain	R	3—40	..	100	
3	..	..	Do.	12— 9	Rayalacodu	R	2—64	..	1,000	
4	43—30	5—36	Rustumbada	..	....	..	..	..	600	
5	..	..	Gonteru (Upper reach up to 9/0).	..	....	..	..	1,500	..	
6	18—71½	33—06	Gonteru	12—43	Sarrajucodu	R	2—18	..	500	
7	..	..	Do.	18—56	Basavarajucodu	R	6—20	..	2,500	
8	..	..	Do.	..	Polamur	L	5—24	..	500	Branch of Basavarajucodu.
9	..	..	Do.	..	Namudur	R	1—60	..	100	Branch of Polamur.
10	..	..	Do.	23— 4	Bhaggeswaram	L	15—53	1,140	..	
11	..	..	Do.	26—11	Thokkadu	R	2—30	..	700	
12	..	..	Do.	30—77	Mogalturu	L	15—07	4,000	..	
12A	..	..	Gostanadi canal	..	Palacodu	R	2—50	..	5,000	
13	21—15	28—55	Gostanadi drain	..	....	..	..	..	50,000	
14	..	..	Do.	23—32	Byvanicodu	R	3—09	..	2,400	
15	..	..	Do.	2—09	Mogallu	L	3—29	..	2,500	Branch of Byvanicodu.
16	..	..	Do.	1—60	Korukollu	L	3—40	..	2,800	Branch of Mogallu.
17	8—00	37—50	Yenamadurru drain from Nandamur aqueduct to Upputeru.	10—57	Arutlacodu	L	4—00	..	500	
18	..	..	Do.	..	Varighedu	R	2—30	..	1,000	Branch of Arutlacodu.
19	..	..	Do.	..	Duvva	R	3—00	..	1,000	Branch of Varighedu.
20	..	..	Do.	20—00	Rajucodu	L	7—00	..	5,000	
21	..	..	Do.	20—50	Manchili	L	4—76	1,840	..	
22	..	..	Do.	21—50	Irlacodu	L	6—00	4,400	..	
23	..	..	Do.	26—70	Miramayyacodu	L	1—41	..	500	
23A	..	..	Do.	32—70	Rayalam	R	7—10	..	1,500	
24	37—12	11—65	Gunupudi south	..	....	..	..	..	2,000	
25	..	..	Do.	5—00	Korrapadu	L	2—00	..	800	
									3,000	

Grow More Food campaign - Construction of
Alegal Kalvk - Uduthorahalla project -
Revised estimate.

C.W. 2137D/43 From the C.E (I) No. 2963/43-M-3 dt 28-9-43

To U.S.

Please see the C.E's letter and the report on pp 1-9
The Uduthorahalla project, which
p 3 p 4 provide irrigation facilities to about 800 acres
vide G.O No 1235 Rev dt 1-7-43
land was sanctioned for immediate execu
as a 'grow More Food' scheme at a cost of
Rs 90,000. Details for this estimate were not
furnished by the C.E (I). The C.E has now
reported that the cost of the scheme comes to
Rs 161,500 for works or Rs 190,000 including
direct and indirect charges. The return
according to the revised estimate works
2.2 % on works outlay and 1.86 per cent on
the total capital outlay. As the scheme
will increase food production the revised
estimate may be approved and the action
of the C.E referred to in para 4 on p 2 of
may also be approved.

2. As the cost of the scheme as now
revised ~~exceeds~~ exceeds Rs. One lakh and it
is to be met out of revenues the expenditure
under the present section 93 estimate
requires higher sanction. It may therefore
be included in the next list of items to be
post facto sanctioned
sent to the Governor General for sanction.

(... 3) As the return in this case is below 3½ per cent, this case can be considered for a contribution from the Govt of India in case it is decided to ask for it with reference to the general question dealt with separately

The case may be sent to Finance for remarks before circulation.

PS 5/10/43 — The revised estimate may be approved and ask the Govt of India for Rs 72,000

10.U.S

Please see the notes above at pp 1-2 above. As the Scheme is in the interests of the grow More Food Campaign, this Dept may agree with the P.W.D. The scheme is expected to irrigate an area of 800 acres. The file may be passed on para 12, p 7 c to Fin. This Dept may also agree to the proposal in para 13 of their note above.

8.10.43

SECRETARIAT 38 26F 11 OCT 1943 REVENUE DEPARTMENT

12.10.43

D/x/43 — Fin

Rev 3826F/43-1

In (Reports)

In view of the present "Grow More Food" policy of Government the proposals of the PWD as A, B & C (above on pp 1-2) may be accepted in this department also. If the Govt of India eventually agree to contribute Rs 72,000 towards the Cost of the ~~YRSTR~~ (Vedathorahalla project) the over all cost to this Govt will be Rs 1,18,000 and the ~~ratio~~ ratio of the contribution to the total cost will be 60%.

14 OCT 1943 REVENUE DEPARTMENT

In view of the material increase in cost over the original estimate of Rs 90,000 the P.W.D may be

REVENUE DEPARTMENT.

Subject.

IRRIGATION - General - Grow More Food Campaign - Eduthorahalla Scheme - Development of irrigation - Excavation of field bothees at Government cost - Proposal - Submitted.

- -

Station: Madras Ref.H.2779/45-2 Dated 28-2-46

From

G. Venkateswara Ayyar, Esq., I.C.S.,
Secretary, Board of Revenue.

S. Ranganathan, Esq., O.B.E., I.C.S.,
Commissioner of Land Revenue & Irrgn.

**

Read:- From the Chief Engineer (I) NO.750/45 M.3 dated 17-10-45.
Board's reference H.2779/45-1 dated 25-10-1945.
From the Chief Engineer (I) No.750/45-M.9 dated 11-2-46.

REFERENCE

Submitted to the Government for orders.

2. The Board supports the proposal of the Chief Engine

for SECRETARY

To

The Secretary to the Government, Public Works Department
sketch.

S.PEERAN.28/2/46.

...r(Irrigation)'s letter No.750/45-M.3 d/ 17-10-45.

...on - G.M.F. Campaign - Uduthorahalla scheme - De-
...ation - Excavation of field bothies.

--

...n of the quick development of the ayacut under ...a scheme has been engaging the attention of the ...s and myself for some time past. The Executive Engineer ...ion and the Revenue Divisional Officer, Kollegal together ...hsildar and the Agricultural demonstrator and some ryots the area under the Right and Left Side Channels. It is stated that during the inspection the ryots wanted that from each sluice a field bothie should be dug at Government cost. The Executive Engineer has also stated that no fresh land acquisition will be necessary as the bothies can well be run within the land already acquired for the excavation of the channel. It is stated that the total approximate cost of excavating bothies will be about Rs.3000/- and that this can be met from the savings in the estimate. The Superintending Engineer supports the proposal.

2. In the circumstances stated I recommend that the excavation of field bothies may be undertaken at Government cost as was done in the case of certain Grow More Food works in the Ceded Districts. I request that the sanction of Government may be obtained to the above proposal.

× G.O 1740 P.W. 8/27 6/45 (X) 27-29

(Sd). . . . . .
for Chief Engineer for Irrgn.

(Sd-illegible)

Memo No. 1132-D/46-2 dt 19-3-46.

Irrigation - G.M.F. campaign - Coimbatore. Kollegal taluk - Uduthorahalla Scheme Excavation of field bothies at Govt cost - Proposal approved.

—·—

From the CE (I) No 750/45-M.3 dated 17-10-45
From the Board of Rev. No H.2779/45-2 dt 28-

—·—

The proposal of the CE (I) in the letter read above is approved.

19/3/46

Note: The draft memo may be sent to the Finance for acceptance. The Uduthorahalla

Scheme is a G.I.N.F. Scheme sanctioned in 1943. The

estimated cost of the Scheme is Rs 2,11,100/-.

E.O 1285 PW 1-7-43

pp 13-14 and 17c

Go 2335 PW 2-11-43

W.3 Mb Rw/hw

PW Dwo 1132 Q/46-1

11-3-46.

Rev. Deptt.

The draft memo overleaf may be accepted and the file passed on to Fin

Pm 13.3.46. 14-3-46

Dr 14/3/46 Fin

ASSISTANT SECRETARY TO GOVERNMENT 974 15 MAR 1946 REVENUE DEPARTMENT

Dr 15/3/46

Please see pp. 1-2 c.f. Fin (Exp. B).

The draft memo. overleaf may be accepted (Cf. Q & O 1740-PW. dt 27.6.45.)

Rev. Dwo 1132 Q/46-1

16/3/46.

17.3.46.

Dw 18.3.46

(X)

ASST. SECRETARY TO GOVERNMENT 18 MAR 1946 REVENUE DEPARTMENT

DEPUTY SECRETARY TO GOVERNMENT PW. 1421 19 MAR 1946 PUBLIC WORKS DEPARTMENT

Dwo. 1097 Exp-1

18-3-46

A.O.: requested to circulate the case to A, copy of orders

16.10.43. 11/16 copy 16.X.43 P.W

Thro Fin (Cr) A 18/10/43 To n.s.

18 Notes from plants may be perused

fin 33225 Exp/B-1 18/10/43. The case may be circulated with reference to fin. note above.

19.10.43 The revised estimate for Rs 1,90,000/- may be sanctioned and the Govt of India addressed to make a grant of Rs 72,000/-. The work is under execution. pa

A

25.10.43 S 18/21.X.43

A.S. for orders.

A. A.S. 1.A.W.

Serial number and designation of Government servant.	Department.	Statio
(1)	(2)	(3)
55 Lady Sub-Assistant Surgeon attached to the Queen Mary's College.	Education.	Madra
56 Woman Specialist in Physical Education.	Do.	Do.
Deputy Inspectors of Schools (senior grade) in charge of ranges in the City of Madras.	Do.	Do.
Superintendent, Experimental Water Filters, Kilpauk.	Do.	Do.
Two Lady Health visitors in the ante-natal and post-natal departments of the Government Hospital for Women and Children-Mad	Medical	Do.

TOWNS.

A draft order is submitted for issue under rule 4 (a) (b) 3, and the matter may be taken up in connection with G.O. No. 1412-D/43, which is open. Attention is invited to the remarks made by the C.E. in his letter dated 30/10/43.